

## WEST Search History





DATE: Monday, September 13, 2004

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L16	(database near5 command\$1) same (hierarchic\$ near10 relational)	8
<input type="checkbox"/>	L15	L14 and (field\$1 same attribut\$)	9
<input type="checkbox"/>	L14	L13 and (data\$ near5 command\$1)	29
<input type="checkbox"/>	L13	l6 and (compound near5 element\$1)	106
<input type="checkbox"/>	L12	l6 and (compund near5 element\$1)	0
<input type="checkbox"/>	L11	L10 and (transform\$ near5 algorithm\$)	2
<input type="checkbox"/>	L10	L9 and (data near5 sourc\$)	61
<input type="checkbox"/>	L9	L8 and map\$	137
<input type="checkbox"/>	L8	L7 and (entit\$ near5 relation\$)	191
<input type="checkbox"/>	L7	L6 and (hierarchical near5 database\$)	1234
<input type="checkbox"/>	L6	relational near5 database\$	15462
<input type="checkbox"/>	L5	5974407 .uref.	38
<input type="checkbox"/>	L4	L3 and path\$	12
<input type="checkbox"/>	L3	L2 and entit\$	15
<input type="checkbox"/>	L2	L1 and map\$	25
<input type="checkbox"/>	L1	(relational and hierarchical).ti.	73

END OF SEARCH HISTORY

## Hit List

Your wildcard search against 10000 terms has yielded the results below.

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

### Search Results - Record(s) 1 through 12 of 12 returned.

☐ 1. Document ID: US 20040088320 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 12

File: PGPB

May 6, 2004

PGPUB-DOCUMENT-NUMBER: 20040088320

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040088320 A1

TITLE: Methods and apparatus for storing hierarchical documents in a relational database

PUBLICATION-DATE: May 6, 2004

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Perry, Russell	Bristol		GB	

US-CL-CURRENT: 707/103R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw De
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☐ 2. Document ID: US 20040030716 A1

L4: Entry 2 of 12

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040030716

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040030716 A1

TITLE: Hierarchical environments supporting relational schemas

PUBLICATION-DATE: February 12, 2004

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hoth, Robert A.	Rochester	MN	US	
Moss, Richard C.	Southsea	MN	GB	

h e b b g e e f e h e f b e

US-CL-CURRENT: 707/103R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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Oct 30, 2003

PUBLICATION-DATE: October 30, 2003

## US-CL-CURRENT: 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC	Draw De
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May 29, 2003

PUBLICATION-DATE: May 29, 2003

h e b b g e e e f e h e f b e

Burugapalli, Srinivasa                      Sammamish                      WA                      US  
Low, Murray                                   Santa Cruz                      CA                      US

US-CL-CURRENT: 707/101

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 5. Document ID: US 20030065659 A1

L4: Entry 5 of 12

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065659  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030065659 A1

TITLE: Providing a consistent hierarchical abstraction of relational data

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Agarwal, Nipun	Santa Clara	CA	US	
Sedlar, Eric	San Francisco	CA	US	
Murthy, Ravi	Fremont	CA	US	
Jain, Namit	Foster City	CA	US	

US-CL-CURRENT: 707/4; 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 6. Document ID: US 20030033285 A1

L4: Entry 6 of 12

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033285  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030033285 A1

TITLE: Mechanism to efficiently index structured data that provides hierarchical access in a relational database system

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jalali, Neema	Belmont	CA	US	
Sedlar, Eric	San Francisco	CA	US	
Agarwal, Nipun	Santa Clara	CA	US	
Murthy, Ravi	Fremont	CA	US	

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US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 20020010700 A1

L4: Entry 7 of 12

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010700

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010700 A1

TITLE: System and method for sharing data between relational and hierarchical databases

PUBLICATION-DATE: January 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wotring, Steven C.	Austin	TX	US	
Ripley, John R.	Round Rock	TX	US	

US-CL-CURRENT: 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 6539398 B1

L4: Entry 8 of 12

File: USPT

Mar 25, 2003

US-PAT-NO: 6539398

DOCUMENT-IDENTIFIER: US 6539398 B1

**\*\* See image for Certificate of Correction \*\***TITLE: Object-oriented programming model for accessing both relational and hierarchical databases from an objects framework

DATE-ISSUED: March 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hannan; Richard G.	San Jose	CA		
Ho; Shyh-Mei Fang	Cupertino	CA		
Watts; Vern L.	Los Altos	CA		

US-CL-CURRENT: 707/103R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 6505205 B1

L4: Entry 9 of 12

File: USPT

Jan 7, 2003

US-PAT-NO: 6505205

DOCUMENT-IDENTIFIER: US 6505205 B1

TITLE: Relational database system for storing nodes of a hierarchical index of multi-dimensional data in a first module and metadata regarding the index in a second module

DATE-ISSUED: January 7, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kothuri; Ravi	Nashua	NH		
Ravada; Siva	Tewksbury	MA		
Sharma; Jayant	Nashua	NH		
Banerjee; Jayanta	Nashua	NH		

US-CL-CURRENT: 707/100; 707/1, 707/101, 707/104.1, 707/7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☐ 10. Document ID: US 6085188 A

L4: Entry 10 of 12

File: USPT

Jul 4, 2000

US-PAT-NO: 6085188

DOCUMENT-IDENTIFIER: US 6085188 A

TITLE: Method of hierarchical LDAP searching with relational tables

DATE-ISSUED: July 4, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bachmann; David W.	Leander	TX		
Corn; Cynthia Fleming	Austin	TX		
Fichtner; Larry George	Austin	TX		
Mancisidor; Rodolfo Augusto	Austin	TX		
Shi; Shaw-Ben	Austin	TX		

US-CL-CURRENT: 707/3; 707/101

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☐ 11. Document ID: US 5974407 A

L4: Entry 11 of 12

File: USPT

Oct 26, 1999

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US-PAT-NO: 5974407

DOCUMENT-IDENTIFIER: US 5974407 A

TITLE: Method and apparatus for implementing a hierarchical database management system (HDBMS) using a relational database management system (RDBMS) as the implementing apparatus

DATE-ISSUED: October 26, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sacks; Jerome E.	Lexington	MA	02173	

US-CL-CURRENT: 707/2; 707/1, 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw De
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☐ 12. Document ID: US 4429385 A

L4: Entry 12 of 12

File: USPT

Jan 31, 1984

US-PAT-NO: 4429385

DOCUMENT-IDENTIFIER: US 4429385 A

TITLE: Method and apparatus for digital serial scanning with hierarchical and relational access

DATE-ISSUED: January 31, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cichelli; Richard J.	Allentown	PA		
Thompson; Michael O.	Bethlehem	PA		

US-CL-CURRENT: 705/30; 340/825.52; 725/105, 725/131

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims
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# Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20030020765 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 2

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030020765

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030020765 A1

TITLE: Method and system for transforming limited source graphical data

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kussmaul, Clifton L.	Bethlehem	PA	US	
Smith, Robert E.	South Riding	VA	US	

US-CL-CURRENT: 345/853

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Data](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KWC](#) [Draw D](#)

☐ 2. Document ID: US 20020010700 A1

L11: Entry 2 of 2

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010700

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010700 A1

TITLE: System and method for sharing data between relational and hierarchical databases

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wotring, Steven C.	Austin	TX	US	
Ripley, John R.	Round Rock	TX	US	

US-CL-CURRENT: 707/100

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# Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

## Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20030236577 A1

Using default format because multiple data bases are involved.

L15: Entry 1 of 9

File: PGPB

Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030236577

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030236577 A1

TITLE: Process control script development and execution facility supporting  
multiple user-side programming languages

PUBLICATION-DATE: December 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Clinton, Greg C.	Mission Viejo	CA	US	

US-CL-CURRENT: 700/10; 700/23, 700/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 2. Document ID: US 20030236576 A1

L15: Entry 2 of 9

File: PGPB

Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030236576

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030236576 A1

TITLE: Supervisory process control and manufacturing information system application  
having an extensible component model

PUBLICATION-DATE: December 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Resnick, Robert M.	Fountain Valley	CA	US	
McIntyre, James P.	Aliso Viejo	CA	US	
Leblanc, Laurence G.	York	PA	US	
Sowell, Timothy	Lake Forest	CA	US	
Erickson, Brian	Long Beach	CA	US	

h e b b g e e e f e h e f b e

Mody, Pankaj H.

Laguna Niguel

CA

US

US-CL-CURRENT: 700/9; 700/18, 700/19, 700/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 3. Document ID: US 20030233218 A1

L15: Entry 3 of 9

File: PGPB

Dec 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030233218

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030233218 A1

TITLE: Systems and methods for constructing genomic-based phenotypic models

PUBLICATION-DATE: December 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schilling, Christophe H.	San Diego	CA	US	

US-CL-CURRENT: 703/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 4. Document ID: US 20030227487 A1

L15: Entry 4 of 9

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030227487

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030227487 A1

TITLE: Method and apparatus for creating and accessing associative data structures under a shared model of categories, rules, triggers and data relationship permissions

PUBLICATION-DATE: December 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hugh, Harlan M.	Los Angeles	CA	US	

US-CL-CURRENT: 345/777

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 5. Document ID: US 20030137536 A1

h e b b g e e f e h e f b e

L15: Entry 5 of 9

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030137536  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030137536 A1

TITLE: Method and apparatus for communicating changes from and to a shared  
associative database using one-way communications techniques

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hugh, Harlan M.	Los Angeles	CA	US	

US-CL-CURRENT: 345/744; 345/764

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 6. Document ID: US 20030009253 A1

L15: Entry 6 of 9

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009253  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030009253 A1

TITLE: Remotely monitoring/diagnosing distributed components of a supervisory  
process control and manufacturing information application from a central location

PUBLICATION-DATE: January 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
McIntyre, James P.	Aliso Viejo	CA	US	
Rowley, Kevin	San Marcos	CA	US	
Jones, Derrick C.	Santa Ana	CA	US	
Mody, Pankaj H.	Laguna Niguel	CA	US	

US-CL-CURRENT: 700/108; 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 7. Document ID: US 20030009250 A1

L15: Entry 7 of 9

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009250  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030009250 A1

TITLE: Customizable system for creating supervisory process control and manufacturing information applications

PUBLICATION-DATE: January 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Resnick, Robert M.	Fountain Valley	CA	US	
McIntyre, James P.	Aliso Viejo	CA	US	
Leblanc, Laurence G.	York	PA	US	
Sowell, Timothy	Lake Forest	CA	US	
Mody, Pankaj H.	Laguna Niguel	CA	US	

US-CL-CURRENT: 700/94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 8. Document ID: US 20020010700 A1

L15: Entry 8 of 9

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010700

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010700 A1

TITLE: System and method for sharing data between relational and hierarchical databases

PUBLICATION-DATE: January 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wotring, Steven C.	Austin	TX	US	
Ripley, John R.	Round Rock	TX	US	

US-CL-CURRENT: 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 9. Document ID: US 6490593 B2

L15: Entry 9 of 9

File: USPT

Dec 3, 2002

US-PAT-NO: 6490593

DOCUMENT-IDENTIFIER: US 6490593 B2

TITLE: Apparatus and method for compound on-line analytical processing in databases

DATE-ISSUED: December 3, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Proctor; Anthony Charles	Stowmarket			GB

US-CL-CURRENT: 707/102; 707/10, 707/100, 707/2, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
FIELD\$1	0
FIELD	3307732
FIELDA	61
FIELDB	20
FIELDC	30
FIELDD	15
FIELDE	46
FIELDF	27
FIELDG	111
FIELDH	9
FIELDI	326
(L14 AND (FIELD\$1 SAME ATTRIBUT\$) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	9

There are more results than shown above. [Click here to view the entire set.](#)

Display Format:  [Previous Page](#)[Next Page](#)[Go to Doc#](#)

# Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20020124803 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 8

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020124803

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020124803 A1

TITLE: System for optimising the production performance of a milk producing animal herd

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chen, Fei	Lynge		DK	
Larsen, Flemming	Haarby		DK	
Hansen, Henrik	Farum		DK	
Mathiasen, Thomas	Kobenhavn O		DK	

US-CL-CURRENT: 119/14.08

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw De
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☐ 2. Document ID: US 20020026446 A1

L16: Entry 2 of 8

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020026446

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020026446 A1

TITLE: Secure host computer internet gateway

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Groos, Gaston J. III	Woodlands	TX	US	
St. Denis, Gregory S.	Houston	TX	US	

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US-CL-CURRENT: 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 20020010700 A1

L16: Entry 3 of 8

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010700

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010700 A1

TITLE: System and method for sharing data between relational and hierarchical databases

PUBLICATION-DATE: January 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wotring, Steven C.	Austin	TX	US	
Ripley, John R.	Round Rock	TX	US	

US-CL-CURRENT: 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 20010056386 A1

L16: Entry 4 of 8

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056386

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010056386 A1

TITLE: Software and hardware component audit and inventory management system

PUBLICATION-DATE: December 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
O'Halloran, Steve	Greely		CA	
Norrie, Ross	Manotick		CA	

US-CL-CURRENT: 705/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: US 6684222 B1

L16: Entry 5 of 8

File: USPT

Jan 27, 2004

h e b b g e e f e h e f b e

US-PAT-NO: 6684222

DOCUMENT-IDENTIFIER: US 6684222 B1

TITLE: Method and system for translating data associated with a relational database

DATE-ISSUED: January 27, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cornelius; Shawn S.	Strangsville	OH		
Huffman; Arnold Z.	Chicago	IL		
Klug; Matthew C.	Hudson	OH		
Krahn; Richard R.	North Lake Elmo	MN		
Su; Eric C.	Foster City	CA		
Sweeney; Michael S.	Parma Heights	OH		

US-CL-CURRENT: 707/104.1; 715/513

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 6. Document ID: US 5987452 A

L16: Entry 6 of 8

File: USPT

Nov 16, 1999

US-PAT-NO: 5987452

DOCUMENT-IDENTIFIER: US 5987452 A

TITLE: Query translation system

DATE-ISSUED: November 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kung; Fen-Chung	Bridgewater	NJ		

US-CL-CURRENT: 707/4; 379/269, 707/1, 707/2, 707/204, 707/3, 707/5, 711/113

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 7. Document ID: US 5513348 A

L16: Entry 7 of 8

File: USPT

Apr 30, 1996

US-PAT-NO: 5513348

DOCUMENT-IDENTIFIER: US 5513348 A

**\*\* See image for Certificate of Correction \*\***

TITLE: System for relational database retrieval through a link file built to access components of relational tables



DATE-ISSUED: April 30, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ryu; Tadimitsu	Kanagawa			JP
Takahara; Toshio	Kanagawa			JP
Hirono; Shingo	Tokyo			JP
Matsumoto; Tohru	Yokohama			JP

US-CL-CURRENT: 707/1; 715/533

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 8. Document ID: US 4688195 A

L16: Entry 8 of 8

File: USPT

Aug 18, 1987

US-PAT-NO: 4688195

DOCUMENT-IDENTIFIER: US 4688195 A

TITLE: Natural-language interface generating system

DATE-ISSUED: August 18, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Craig W.	Plano	TX		
Ross; Kenneth M.	Bedford	TX		

US-CL-CURRENT: 706/11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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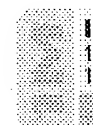
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*Lerm, J.; de Oliveira, J.;*

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**2 Capturing the objected-oriented database model in relational form**
*Hsieh, S.-Y.; Chang, C.K.; Mongkolwat, P.; Pilch, W. W., Jr.; Shih, C.-C.;*  
 Computer Software and Applications Conference, 1993. COMPSAC 93.  
 Proceedings., Seventeenth Annual International , 1-5 Nov. 1993  
 Pages:202 - 208

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**3 Entity-relationship database support for real-time adaptation**
*Gopinath, P.; Ramnath, R.; Schwan, K.;*  
 Databases, Parallel Architectures and Their Applications,. PARBASE-90,  
 International Conference on , 7-9 March 1990  
 Pages:91 - 93

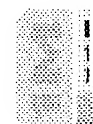
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**4 Hierarchically searching the web for images**
*Jewell, N.J.; Campbell, N.W.; Thomas, B.T.;*  
 Image Processing And Its Applications, 1999. Seventh International Conferen  
 (Conf. Publ. No. 465) , Volume: 1 , 13-15 July 1999  
 Pages:296 - 300 vol.1

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*Nikos Mamoulis; Cheung, D.W.; Wang Lian;*  
Data Engineering, 2003. Proceedings. 19th International Conference on , 5-8  
2003  
Pages:75 - 86

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**[PPT] Database and Data Structure**

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... **Relational and Hierarchical DBMS** Modes are more popular; **relational** is ... RDBMS) **Relational** Models use tables to store **data** and application ... **8. Relational Databases**. ...

[www.cob.sjsu.edu/sadhwa\\_a/database%20lecture%20Bus%2093.ppt](http://www.cob.sjsu.edu/sadhwa_a/database%20lecture%20Bus%2093.ppt) - [Similar pages](#)

**Miami University School of Engineering & Applied Science Computer ...**

... record-based logical models (**relational, hierarchical, network**), object ... The **relational data** model (.5): theory of **relations**; the **relational** representation of ...

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**ER 1987: 305-333**

... to the Logical Design of a **Hierarchical Data Model** ... Risch: Query Processing Over Object Views of **Relational Data**. ... for Reverse Engineering of **Relational Databases** ...

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**ER 1981: 337-356**

... Ling: External Schemas of **Entity-Relationship Based Data Base Management** ... Shamkant B. Navathe, AM Awong: Abstracting **Relational and Hierarchical Data** with a ...

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... database design; Steps in the **data** modeling process; ... exclusive subtypes. Recursive **Relationships: Hierarchical** vs. ... Appendix: Implementing a **Relational Database**. ...

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**[PPT] Database 1 Database Design**

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... Suited to derive a DTD from a structured **data** schema. ... HIER: Transforms a one-to-many (or one-to-one) binary **relationship** type into a **hierarchical** relation. ...

[www.wis.win.tue.nl:8080/~ffrasinc/workshops/WISM2004/wism2004-3.ppt](http://www.wis.win.tue.nl:8080/~ffrasinc/workshops/WISM2004/wism2004-3.ppt) - [Similar pages](#)

**[PPT] Objectives**

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... Networks models: represents **data** as record types and limited type of 1:N **relationships**. ...

**Hierarchical Models**: represents **data** as **hierarchical tree**. 27. ...

[people.cs.und.edu/~reza/Csci455ch2.ppt](http://people.cs.und.edu/~reza/Csci455ch2.ppt) - [Similar pages](#)

**A Design Environment for Migrating Relational to Object Oriented ...**

... Abstracting **Relational and Hierarchical Data** with a ... Identifying extended **entity-relationship** object structures ... 1989 17 **Transforming Relational Database Schemas** ...

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... of presenting them in an organized, **hierarchical** format – variously ... get a good start on **data** modeling by ... DM201: **Relational Database Design** by Fleming and von ...

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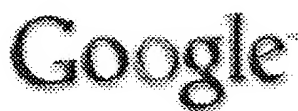
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... coincided with the popularity of the **hierarchical** data model. ... of recent extensions of flat **relational** databases, to ... An **entity's** existence does not depend on ...

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... the case of a many-to-many **relationship** of Design to DesignPart , the DsnPath map table still suffices to determine the **hierarchical entity** occurrences, since ...

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... database – **Entity-Relationship** Models – Beyond Simple **Relationships** • **hierarchical** data • temporal data – historical integrity • Using **Relational** ...

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Using Container-Managed Persistence for Entity Beans

... A field may participate in a **hierarchical** or independent ... capable class of the EJB 1.1 **entity** bean as the ... are defined in the Java language: **relational** operators ...

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IMS DPROP Reference - The Propagation Request Mapping Table (DPRPR ...

... **Mapping** case 3 provides **mapping** between data of one internal segment (the **entity** segment) and its concatenated ... HR **Hierarchical** to **relational** TW **Hierarchical** ...

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... can be connected by **hierarchical relationships** are grouped ... **map** extent, assigning each **entity** to a ... symbolize classification objects, and **mapping** the symbolized ...

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